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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2009; month=9; day=17; hr=6; min=57; sec=16; ms=202; ]

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Application No: 10594213 Version No: 2.0

**Input Set:**

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**No. of SeqIDs Defined:** 7  
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
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SEQUENCE LISTING

<110> Hopf, Carsten  
Drewes, Gerard  
Ruffner, Heinz

<120> Treatment of Neurodegenerative Diseases by the use of LAPT M4B

<130> 50125/151001

<140> 10594213  
<141> 2009-09-01

<150> PCT/EP2004/013457

<151> 2004-11-26

<160> 7

<170> PatentIn version 3.5

<210> 1

<211> 317

<212> PRT

<213> Homo Sapiens

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Pro Ala Glu Ala Arg Ser Ser Arg Gly Ile Glu Glu Ala Gly Pro Arg  
35 40 45

Ala His Gly Arg Ala Gly Arg Glu Pro Glu Arg Arg Ser Arg Gln  
50 55 60

Gln Arg Arg Gly Gly Leu Gln Ala Arg Arg Ser Thr Leu Leu Lys Thr  
65 70 75 80

Cys Ala Arg Ala Arg Ala Thr Ala Pro Gly Ala Met Lys Met Val Ala  
85 90 95

Pro Trp Thr Arg Phe Tyr Ser Asn Ser Cys Cys Leu Cys Cys His Val  
100 105 110

Arg Thr Gly Thr Ile Leu Leu Gly Val Trp Tyr Leu Ile Ile Asn Ala

115

120

125

Val Val Leu Leu Ile Leu Leu Ser Ala Leu Ala Asp Pro Asp Gln Tyr  
130 135 140

Asn Phe Ser Ser Ser Glu Leu Gly Gly Asp Phe Glu Phe Met Asp Asp  
145 150 155 160

Ala Asn Met Cys Ile Ala Ile Ala Ile Ser Leu Leu Met Ile Leu Ile  
165 170 175

Cys Ala Met Ala Thr Tyr Gly Ala Tyr Lys Gln Arg Ala Ala Trp Ile  
180 185 190

Ile Pro Phe Phe Cys Tyr Gln Ile Phe Asp Phe Ala Leu Asn Met Leu  
195 200 205

Val Ala Ile Thr Val Leu Ile Tyr Pro Asn Ser Ile Gln Glu Tyr Ile  
210 215 220

Arg Gln Leu Pro Pro Asn Phe Pro Tyr Arg Asp Asp Val Met Ser Val  
225 230 235 240

Asn Pro Thr Cys Leu Val Leu Ile Ile Leu Leu Phe Ile Ser Ile Ile  
245 250 255

Leu Thr Phe Lys Gly Tyr Leu Ile Ser Cys Val Trp Asn Cys Tyr Arg  
260 265 270

Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu Val Tyr Val Thr Ser  
275 280 285

Asn Asp Thr Thr Val Leu Leu Pro Pro Tyr Asp Asp Ala Thr Val Asn  
290 295 300

Gly Ala Ala Lys Glu Pro Pro Pro Pro Tyr Val Ser Ala  
305 310 315

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<212> PRT

<213> Homo Sapiens

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Met Val Ser Met Ser Phe Lys Arg Asn Arg Ser Asp Arg Phe Tyr Ser  
1 5 10 15

Thr Arg Cys Cys Gly Cys Cys His Val Arg Thr Gly Thr Ile Ile Leu  
20 25 30

Gly Thr Trp Tyr Met Val Val Asn Leu Leu Met Ala Ile Leu Leu Thr  
35 40 45

Val Glu Val Thr His Pro Asn Ser Met Pro Ala Val Asn Ile Gln Tyr  
50 55 60

Glu Val Ile Gly Asn Tyr Tyr Ser Ser Glu Arg Met Ala Asp Asn Ala  
65 70 75 80

Cys Val Leu Phe Ala Val Ser Val Leu Met Phe Ile Ile Ser Ser Met  
85 90 95

Leu Val Tyr Gly Ala Ile Ser Tyr Gln Val Gly Trp Leu Ile Pro Phe  
100 105 110

Phe Cys Tyr Arg Leu Phe Asp Phe Val Leu Ser Cys Leu Val Ala Ile  
115 120 125

Ser Ser Leu Thr Tyr Leu Pro Arg Ile Lys Glu Tyr Leu Asp Gln Leu  
130 135 140

Pro Asp Phe Pro Tyr Lys Asp Asp Leu Leu Ala Leu Asp Ser Ser Cys  
145 150 155 160

Leu Leu Phe Ile Val Leu Val Phe Phe Ala Leu Phe Ile Ile Phe Lys  
165 170 175

Ala Tyr Leu Ile Asn Cys Val Trp Asn Cys Tyr Lys Tyr Ile Asn Asn  
180 185 190

Arg Asn Val Pro Glu Ile Ala Val Tyr Pro Ala Phe Glu Ala Pro Pro  
195 200 205

Gln Tyr Val Leu Pro Thr Tyr Glu Met Ala Val Lys Met Pro Glu Lys  
210 215 220

Glu Pro Pro Pro Pro Tyr Leu Pro Ala  
225 230

<210> 5  
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<212> PRT  
<213> Homo Sapiens

<400> 5

Met Val Asn Tyr Ala Trp Ala Gly Arg Ser Gln Arg Lys Leu Trp Trp  
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Arg Ser Val Ala Val Leu Thr Cys Lys Ser Val Val Arg Pro Gly Tyr  
20 25 30

Arg Gly Gly Leu Gln Ala Arg Arg Ser Thr Leu Leu Lys Thr Cys Ala  
35 40 45

Arg Ala Arg Ala Thr Ala Pro Gly Ala Met Lys Met Val Ala Pro Trp  
50 55 60

Thr Arg Phe Tyr Ser Asn Ser Cys Cys Leu Cys Cys His Val Arg Thr  
65 70 75 80

Gly Thr Ile Leu Leu Gly Val Trp Tyr Leu Ile Ile Asn Ala Val Val  
85 90 95

Leu Leu Ile Leu Leu Ser Ala Leu Ala Asp Pro Asp Gln Tyr Asn Phe  
100 105 110

Ser Ser Ser Glu Leu Gly Gly Asp Phe Glu Phe Met Asp Asp Ala Asn  
115 120 125

Met Cys Ile Ala Ile Ala Ile Ser Leu Leu Met Ile Leu Ile Cys Ala  
130 135 140

Met Ala Thr Tyr Gly Ala Tyr Lys Gln Arg Ala Ala Trp Ile Ile Pro  
145 150 155 160

Phe Phe Cys Tyr Gln Ile Phe Asp Phe Ala Leu Asn Met Leu Val Ala  
165 170 175

Ile Thr Val Leu Ile Tyr Pro Asn Ser Ile Gln Glu Tyr Ile Arg Gln  
180 185 190

Leu Pro Pro Asn Phe Pro Tyr Arg Asp Asp Val Met Ser Val Asn Pro  
195 200 205

Thr Cys Leu Val Leu Ile Ile Leu Leu Phe Ile Ser Ile Ile Leu Thr  
210 215 220

Phe Lys Gly Tyr Leu Ile Ser Cys Val Trp Asn Cys Tyr Arg Tyr Ile  
225 230 235 240

Asn Gly Arg Asn Ser Ser Asp Val Leu Val Tyr Val Thr Ser Asn Asp  
245 250 255

Thr Thr Val Leu Leu Pro Pro Tyr Asp Asp Ala Thr Val Asn Gly Ala  
260 265 270

Ala Lys Glu Pro Pro Pro Tyr Val Ser Ala  
275 280

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<212> PRT  
<213> Mus Musculus

<400> 6

Met Val Ser Met Thr Phe Lys Arg Ser Arg Ser Asp Arg Phe Tyr Ser  
1 5 10 15

Thr Arg Cys Cys Gly Cys Phe His Val Arg Thr Gly Thr Ile Ile Leu  
20 25 30

Gly Thr Trp Tyr Met Val Val Asn Leu Leu Met Ala Ile Leu Leu Thr  
35 40 45

Val Glu Val Thr His Pro Asn Ser Met Pro Ala Val Asn Ile Gln Tyr  
50 55 60

Glu Val Ile Gly Asn Tyr Tyr Ser Ser Glu Arg Met Ala Asp Asn Ala  
65 70 75 80

Cys Val Leu Phe Ala Val Ser Val Leu Met Phe Ile Ile Ser Ser Met  
85 90 95

Leu Val Tyr Gly Ala Ile Ser Tyr Gln Val Gly Trp Leu Ile Pro Phe  
100 105 110

Phe Cys Tyr Arg Leu Phe Asp Phe Val Leu Ser Cys Leu Val Ala Ile  
115 120 125

Ser Ser Leu Thr Tyr Leu Pro Arg Ile Lys Glu Tyr Leu Asp Gln Leu  
130 135 140

Pro Asp Phe Pro Tyr Lys Asp Asp Leu Leu Ala Leu Asp Ser Ser Cys  
145 150 155 160

Leu Leu Phe Ile Val Leu Val Phe Phe Val Val Phe Ile Ile Phe Lys  
165 170 175

Ala Tyr Leu Ile Asn Cys Val Trp Asn Cys Tyr Lys Tyr Ile Asn Asn  
180 185 190

Arg Asn Val Pro Glu Ile Ala Val Tyr Pro Ala Phe Glu Thr Pro Pro  
195 200 205

Gln Tyr Val Leu Pro Thr Tyr Glu Met Ala Val Lys Ile Pro Glu Lys  
210 215 220

Glu Pro Pro Pro Pro Tyr Leu Pro Ala

225

230

<210> 7  
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<212> PRT  
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<400> 7

Met Lys Met Val Ala Pro Trp Thr Arg Phe Tyr Ser His Ser Cys Cys  
1 5 10 15

Leu Cys Cys His Val Arg Thr Gly Thr Ile Leu Leu Gly Val Trp Tyr  
20 25 30

Leu Ile Ile Asn Ala Val Val Leu Leu Ile Leu Leu Ser Ala Leu Ala  
35 40 45

Asp Pro Asn Gln Tyr His Phe Ser Gly Ser Glu Leu Gly Gly Glu Phe  
50 55 60

Glu Phe Met Asp Asp Ala Asn Met Cys Ile Ala Ile Ala Ile Ser Leu  
65 70 75 80

Leu Met Ile Leu Ile Cys Ala Met Ala Thr Tyr Gly Ala Tyr Lys Gln  
85 90 95

His Ala Ala Trp Ile Ile Pro Phe Phe Cys Tyr Gln Ile Phe Asp Phe  
100 105 110

Ala Leu Asn Thr Leu Val Ala Ile Thr Val Leu Val Tyr Pro Asn Ser  
115 120 125

Ile Gln Glu Tyr Ile Arg Gln Leu Pro Pro Ser Phe Pro Tyr Arg Asp  
130 135 140

Asp Ile Met Ser Val Asn Pro Thr Cys Leu Val Leu Ile Ile Leu Leu  
145 150 155 160

Phe Ile Gly Ile Leu Leu Thr Leu Lys Gly Tyr Leu Ile Ser Cys Val  
165 170 175

Trp Ser Cys Tyr Arg Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu  
180 185 190

Val Tyr Val Thr Ser Asn Asp Thr Thr Val Leu Leu Pro Pro Tyr Asp  
195 200 205

Asp Ala Thr Ala Val Pro Ser Thr Ala Lys Glu Pro Pro Pro Pro Tyr  
210 215 220

Val Ser Ala  
225